Position:	Senior Program Manager
	Trusted and Assured Microelectronics R&D Programs
Position Number:	H18-001
Status:	Exempt
Initiative:	Applied Research Institute, Inc. (ARI)
Reports to:	Chief Science and Technology Officer

Job Description:

ARI is looking for a Senior Program Manager with program management and semiconductor processing experience to work with a broad range of cross institution and cross disciplinary teams to develop products and processes that support the Department of Defense (DoD) Trusted and Assured Microelectronic (T&AM) technical objectives. You will manage a portfolio of existing and upcoming research programs that require significant oversight and coordination between multiple participants and institutions. While each project will have a technical PI from a partner institution, the overall responsibility for execution, interfacing/aligning with Navy and DoD stakeholders, technical oversight and transition to practice, will be your responsibility. In this unique and challenging position, you will provide not only classic program management, but also innovation and tech transition of novel technical advances to the DoD and industry. This position provides the opportunity to make significant gains in the security and reliability of the microelectronic supply chain for the DoD and national security agencies.

Who we are:

Applied Research Institute, Inc. (ARI) is a non-profit research institute that brings together leaders from Indiana government, the state's largest military asset, industry and research universities to facilitate and manage collaborative research teams to pursue major federal grants and contracts and perform corporate-sponsored research in participants' areas of technical expertise. ARI's initial focus will be on: trusted microelectronics technology and security; multi-spectral data fusion and security (cyber); high density power storage and management; and advanced material science. Work conducted through ARI accelerates technology commercialization that supports economic prosperity across Indiana with a specific focus on Southwest Central Indiana.

ARI is a cooperative effort between Naval Surface Warfare Center Crane, Purdue University, Indiana University, and Indiana's industry base, is developing a set of unique technologies, capabilities and processes that support the DoD in establishing and maintaining a supply of Trusted and Assured Microelectronics (T&AM) for the sustainment and development of DoD systems. These include novel methods of microelectronic device fabrication, device performance and failure modeling, novel device reliability testing (Accelerated Lifetime Testing) and the development of system architectures, testing and monitoring that inhibit the ability to insert

malicious hardware and software components into the devices. ARI leverages the world class researchers at Purdue and IU, as well as the Birck Nanotechnology Center in Lafayette, IN to execute its portfolio of programs.

As a well-funded start-up, we are seeking founding team members to grow the organization and establish the vision that will ensure its prosperity. The position will be based in Bloomington, Indiana, with frequent travel required to other areas of the state. At ARI, we escape the big city grind and congestion and enjoy a high standard of living in either a rural setting or thriving college town. Our offices are only a few miles from Indiana's largest lake and thousands of acres of national forest. Experience the health and happiness of the Hoosier lifestyle to its fullest.

What you'll do:
- Oversee and manage an existing portfolio of funded R&D projects that enhance products and processes to improve reliability, integrity, and security of microelectronic devices for the DoD.
- Work with DoD stakeholders and University Partners to establish additional projects and programs to support DoD objectives in Trusted and Assured Microelectronics.
- Assist with the development and adjustment of ARI strategic objectives so R&D programs meet stakeholder goals.
- Be the key technical and programmatic point of contact with Navy and Industry stakeholders for the research programs.
- Implement classic program management processes to ensure efficient and successful program execution.
- Design and implement ARI test protocols to validate results and data from partner institutions.

Who you are:
We're looking for someone that is an expert in the trusted microelectronics industry that can get results in a fast-paced, but unstructured, environment. You like building teams to work on projects and can inspire them to work together towards a common goal. You understand the product development process and how Universities and industry can unite to advance technology and innovate. The minimum qualifications of this positon are:
- BS in Electrical Engineering or related field
- 5 years of project and/or product management
- 8 years of semiconductor industry experience.

Preferred qualifications:
- MS or PhD in Electrical Engineering or related field
- PMP or equivalent certification
- 5 years of complex program management experience
- Experience with ASIC and FPGA fabrication and integration and state-of-the-art System on a Chip (SoC) devices
- Knowledge and experience with DoD programs and processes.

Benefits:

ARI is building a highly productive work environment that rewards successful contributors and delivers a high level of job satisfaction. We can assure you it won't be boring. Additional benefits include:

- A competitive salary and benefits package, including full health/dental/vision, PTO, and 401k.
- Relocation assistance.

Additional requirements:

- United States Citizenship required.
- Candidate selected will be subject to a government security investigation. Current US Secret Clearance desired.

To apply:

E-mail your resume and cover letter to appresins@gmail.com. Please note position number H18-001 in the subject line of your e-mail. Please direct all questions on the position to Leslie Wolfe at leslie@ellobosolutions.com.